

Appl. No. 10/776,851
Docket No. CM2687MQ
Amdt. dated May 7, 2007
Reply to Office Action mailed on January 9, 2007
Customer No. 27752

RECEIVED
CENTRAL FAX CENTER
MAY 07 2007

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A disposable absorbent diaper comprising: a chassis including a liquid impervious backsheet and a liquid pervious topsheet; and an absorbent core located between said backsheet and said topsheet which includes first and second substrate layers each having absorbent material deposited thereon, ~~an absorbent core useful for an absorbent article comprising a substrate layer and absorbent material,~~ said absorbent material comprising an absorbent polymer material and optionally an absorbent fibrous material, said absorbent fibrous material not representing more than about 20% of the weight of absorbent polymer material, wherein said absorbent material is immobilized when wet such that said absorbent core achieves a wet immobilization of more than about 50% according to the Wet Immobilization Test described herein.
2. (Original) An absorbent core according to claim 1, which further comprises a thermoplastic material, which contacts said absorbent polymer material.
3. (Original) An absorbent core according to claim 2, wherein said thermoplastic material is a hot melt adhesive.
4. (Previously presented) An absorbent core according to claim 2, wherein said thermoplastic material is fiberized.
5. (Original) An absorbent core according to claims 2, wherein said thermoplastic material substantially immobilizes said absorbent polymers.

Appl. No. 10/776,851
Docket No. CM2687MQ
Amdt. dated May 7, 2007
Reply to Office Action mailed on January 9, 2007
Customer No. 27752

6. (Original) An absorbent core according to claim 1, the absorbent core having a distribution of absorbent polymer material wherein the distribution of absorbent polymer material is profiled.
7. (Original) An absorbent core according to claim 1, wherein said absorbent polymer material is present throughout the area of said absorbent core in an average basis weight of at least about 100 g/m².
8. (Canceled)
9. (Currently Amended) An absorbent core according to claim 1~~8~~, wherein at least one of said substrate layers comprises a permanently hydrophilic non-woven.
10. (Canceled)
11. (Canceled)
12. (Original) An absorbent core according to claim 1 having a crotch width of less than about 80 mm.
13. (Currently Amended) A disposable absorbent diaper comprising: a chassis including a liquid impervious backsheet and a liquid pervious topsheet; and an absorbent core located between said backsheet and said topsheet which includes first and second substrate layers each having absorbent material deposited thereon, ~~an absorbent core useful for an absorbent article comprising a substrate layer and absorbent material,~~ said absorbent material comprising an absorbent polymer material and optionally an absorbent fibrous material, said absorbent fibrous material not representing more than about 20% of the weight of absorbent polymer material, wherein said absorbent material is immobilized when said absorbent core is wet such that said absorbent core

Appl. No. 10/776,851
Docket No. CM2687MQ
Amdt. dated May 7, 2007
Reply to Office Action mailed on January 9, 2007
Customer No. 27752

achieves a wet immobilization of more than about 50% according to the Wet Immobilization Test described herein.

14. (Canceled)

15. (Canceled)

16. (Currently Amended) An absorbent core according to claim ~~13~~¹⁴5, wherein at least one of said substrate layers ~~or at least one of said cover layers~~ comprises a permanently hydrophilic non-woven.

17. (Previously Presented) An absorbent core according to claim 13, which further comprises a thermoplastic material, which contacts said absorbent polymer material.

18. (Previously Presented) An absorbent core according to claim 17, wherein said thermoplastic material substantially immobilizes said absorbent polymers.

19. (Previously Presented) An absorbent core according to claim 17, wherein said thermoplastic material is a hot melt adhesive.

20. (Canceled)